

***Amendments to the Claims***

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
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27. (Canceled)

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29. (Canceled)

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (Previously Amended) A method for optical system coherence testing, comprising the steps of:

- a. in an optical system, aligning a light source with an apparatus designed for optical system coherence testing and with a means to observe interference patterns;
  - b. transmitting light through the apparatus designed for optical system coherence testing; and
  - c. observing interference patterns from said transmitted light with the means to observe interference patterns;
- wherein said aligning provides that light incident upon the apparatus designed for optical system coherence testing is at a non-perpendicular angle.

34. (Previously Amended) A method for optical system coherence testing, comprising the steps of:

- a. in an optical system, aligning a light source with an apparatus designed for optical system coherence testing and with a means to observe interference patterns;
  - b. transmitting light through the apparatus designed for optical system coherence testing; and
  - c. observing interference patterns from said transmitted light with the means to observe interference patterns;
- wherein said aligning provides that light incident upon the means to observe interference patterns is at a non-perpendicular angle.

35. (Original) The method of Claim 34, wherein said aligning is provided by a wedge-shaped transmissive crystal.

36. (Original) The method of Claim 34, wherein said aligning is provided by a transmissive piezoelectric crystal.

37. (Original) The method of Claim 34, wherein said aligning is provided by a piezoelectric spacer.

38. (Canceled)

39. (Canceled)

40. (Canceled)

41. (Previously Amended) A method for optical system coherence testing, comprising the steps of:

a. in an optical system, aligning a light source with an apparatus designed for optical system coherence testing and with a means to observe interference patterns;

b. transmitting light through the apparatus designed for optical system coherence testing; and

c. observing interference patterns from said transmitted light with the means to observe interference patterns;

wherein the apparatus designed for optical system coherence testing simultaneously tests for both horizontal and vertical spatial coherence.

42. (Previously Amended) The method of Claim 41, wherein the apparatus designed for optical system coherence testing tests for temporal (longitudinal) coherence.

43. (Canceled)

44. (Currently Amended) A ~~The method for optical system coherence testing, comprising the steps of:~~ of Claim 33,

a. ~~in an optical system, aligning a light source with an apparatus designed for optical system coherence testing and with a means to observe interference patterns;~~

b. ~~transmitting light through the apparatus designed for optical system coherence testing; and~~

c. ~~observing interference patterns from said transmitted light with the means to observe interference patterns;~~

wherein the means to observe interference patterns is a recording medium.

45. (Original) The method of Claim 44, wherein the recording medium is photographic.

46. (Original) The method of Claim 44, wherein the recording medium is electronic.

47. (Previously Amended) A method for optical system coherence testing, comprising the steps of:

a. in an optical system, aligning a light source with an apparatus designed for optical system coherence testing and with a means to observe interference patterns;

b. transmitting light through the apparatus designed for optical system coherence testing; and

c. observing interference patterns from said transmitted light with the means to observe interference patterns;

wherein the means to observe interference patterns is visual observation facilitated by a demodulator reticle.

48. (New) The method of Claim 34, wherein the means to observe interference patterns is a recording medium.

49. (New) The method of Claim 48, wherein the recording medium is photographic.

50. (New) The method of Claim 48, wherein the recording medium is electronic.

This listing of claims will replace all prior versions, and listings of claims in the application.